REPORT OF EXPERIMENTS

DEMONSTRATIONS

TRISH LAND COMMISSION

14 (5) DUCATION DEPARTMENT

DURING THE SEASON OF 189

OF THE PHEVENTION OF

FUTATO DISEASI

Breamted to both Bouses of Parliament by Command of Her Majest;



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REPORT OF EXPERIMENTS

AND

DEMONSTRATIONS

CONDUCTED BY THE

IRISH LAND COMMISSION

(AGRICULTURAL DEPARTMENT),

DURING THE SEASON OF 1895

IN THE PREVENTION OF

POTATO DISEASE.

Presented to both Houses of Parliament by Command of Her Majesty.



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1896.

[C.= -\$028.] Price 3d.



REPORT.

Irish Land Commission,

Agricultural Department,

Dublin, 13th March, 1896.

Su,

I have the honour to state, for the information of his Excellency the Lord Lieuteaux, that, in accordance with instructions received, the Agricultum Department of the Irish Land Commission carried our a series of field demonstrations of dring the summer and statum of 1989, for the purpose of demonstrating to agriculturist the method of application of Borleaux flatures to the pottor plant for the prevention of potato demon, and the advantages which may be derived therefore.

Demonstrations were occurred by the late Mr. Thomas S. Dunae, who acted in a usesses millist equality for this Department on northern holdings in the counties of Down selsets. Adams, who was a pecially employed for situated Karol Commissioner, and Rr. Jahr. K. H. Williams, who was specially employed for situations of Commissioner, and Rr. Jahr. K. L. Williams, who was specially employed for situations of Galway, Tripperry, and Kingé countries, adjointing Extraorderon and Banagher.

meagan.

The Bordeaux mixture used for the demonstrations carried out in the latter counties Minimus amade with Copper Sulphate and Lime; the Bordeaux mixtures used for the Antrim system and Down demonstrations were made with (1) Copper Sulphate and Lime, (2) Struw-south (3) Harrigroton's Powder, and (6) Harrigroton's Paste, and (6) Harrigroton's Paste,

The Copper Sulphate used was supplied by Mossra Harrington Brothers, of the Shaudon Chemical Works, Cork, who also supplied Harrington's Paste and Harrington's Powder, these articles being specially prepared by that firm. Strawsonite was obtained through Messra. Thomas M'Aonaie and Sons, of Great Brusswick-street, Dablin.

As a rule the Borisaux mixtures make with Copper Sulphate Straymits, or Stough at Harrington's Powel consisted of two parts by weight of other of them injection attained mixed with one hundred parts by weight of cold seater, and that made with Harrington's Powel Powel Consistent of parts may weight of Copate many of the harded parts by the Parts consisted of Darparts by weight of Copate many of the harded parts of the contract of the parts of the proportion stated being called "two per cest," and an attraction prepared in the proportion stated being called "two per cest," and a hard parts by weight of Gloppe Sulphate, Size anticare received and a hard parts by weight of Harrington's Darks, to one hundred parts by weight of when we are also, the mixtures prepared in any proportions being water and other ingredients a stated above, do not seemandy counted in practical or two per cent mixtures as those came pob, but are sufficiently occurried for practical

The Bordeaux mixtures made with Copper Sulphate and Lime were prepared in secondance with the instructions contained in the leaflet issued by this Department, a copy of which is enclosed with this report.

The Bordeaux Mixtures were applied by means of Vermorel's "Eclair" Knapsack Mwhol of Sprayers. The machines used worked substantedly and proved efficient in every Application trapect. As a rule the foliage was sprayed both from above and from below, but in some instances in which it was particularly decas, it was sprayed only from above.

purposes, and may be readily measured by any intelligent workman.

Special

The amount of dressing applied per statute acre varied from eighty to one hundred and fifty callons, in proportion to the extent to which the foliage had developed

During October the produce of one perch of each of the treated plots in Down and Antrim, and of twenty-five out of the fifty-nine treated plots in Tipperary, Galway, and King's Counties, was carefully dug and weighed, the sound produce heing sorted as "marketable" and "small," and compared with the produce of adjoining untrested plots. From the results so ascertained the estimated yields per statute acre were calculated. In order to guard against error, the produce of one-half perch was dug in two different parts of each plot, and if any serious discrepancy was observable in the produce on each half perch thus ascertained, the produce of another perch was dug. The time at his disposal did not permit Mr. Adams to ascertain the results in all the cases in which demonstrations had been carried out in the Banagher district; but those of which results were recorded were not specially selected.

Down and Antrim Demonstrations and Experiments;-In addition to the special series of experiments already referred to, a number of other plots were sprayed with Bordeaux Mixtures prepared with one or other of the ingredients used for the experimental plots; full perticulars of the results of these demonstrations and experiments are given in the Appendix to this Report, in addition to which a summary is provided (see pp. 22 and 23), setting forth in tabulated form, the results obtained increased yield of sound potatons on the treated as compared with the untreated plots

> Exceeded five tons per statute acre in two cases. four three cases. twenty-two cases. two forty-one forty-eight ,

The results obtained appear to indicate that although in most instances the treated plots gave a decided fucrease in yield as compared with the untreated plots, yet no distinct advantage can be traced to the use of any one of the ingredients used as compared with any other. In deciding as to the most suitable material from which to make Bordenez Mixture, it would seem that acriculturists should be suided mainly by the relative cost at which the materials can be provided, and the facilities which they respectively offer in each particular case for the preparation of Bordeaux Mixture. For the purpose of comparing the reliative occi of Bordeaux Mixtures propared respectively with each of the different ingredients referred to, it would perhaps be convenient to estimate the cost of proparation of 120 gallons of each such mixture, that being about the average quantity required per statute acre for the first dressing applied to a well grown crop of Champions.

Strawsonite and Harrington's preparations were offered for sale to the public during the year 1895 at the following prices:-

Strawsonite, in 40 lb, packages, 13s. each. Do., per cwt 86s. Harrington's Potato Blight Powder, in 40 lb. packages, . 12s. each. do in 1 cwt, kegs, 32s, per cwt. Don 3 to 5 cwt, casks. 31g do. Harrington's Potato Blight Paste, in 1 cwt. kegs, 16s. do. 3 to 5 ewt. casks. 15a. do.

Strawsonite was obtainable at the prices above referred to from agents in most of the principal towns in Ireland.

Harringtons Potato Bilgish Powder and Poats, manufactured at the Shandon Chemical Words, Cork, were placed in the mark for the first time last year, and were offered to the public at the rates, quoted shows, earlings being paid for quantities of 1 cert and payaradis to any milway station; in Tesland to which there were through rates from Cark. The prices above quoted include cost of packages in all cases.

The price of pure Copper Sulphate in crystals in quantities of I cwt. and upwards, osriage paid to any railway station in Ireland, was about 24s. per cwt. in 1895.

In comparing the out of a Bouleaux Mixture made with Copper Sulphate and Line with that of Bouleaux Mixtures present with Earth Sulphate and Line with that of Bouleaux Mixtures presented with Earth Sulphate, and if pare unablated lines cannot require the innovative from white Copper of the mixture present from Copper Sulphate and Lines may therefully be considerably of the mixture present from Copper Sulphate and Lines may therefully be considerably as earther of Harringston preparations, in many who must now considerably as with the contract of Harringston preparations, in many who may be considerably on the contract of Harringston preparations, in many who may be considerably on the contract of the contract

The cost of labour for the application of 120 gallons to a statute acre would be about from 3a to 4a.

It would seem that for those who have a considerable sees of pointees on which to queries, it is desiredly advantageous to prepare the mixture with Ouper Stellpates and Line, provided that lime of good quality one to readily obtained at a moderate price; has for those who have only small series to treat, any one or two series, or for those who have for the contract of the contract of the contract of the contract of the for the preparation of a Copper limit of the contract of the contract of the sword by using wither Statewonte or one of Harrington's generations.

In the Tables relating to these experiments the estimated quantities of diseased potatoes per statute acre calculated from the quantity ascertained to be present in each plot at the time of digging are given. It is however to be observed that little value should be attached to this information. The important fact to the grower is the value of the sound potatoes produced—in other words, their quantity, size, and quality, Erroneous deductions are frequently arrived at from statistics as to the quantity of diseased potatoes found at the time of digging. When potato disease has been virulent. and has attacked the plant at an early period in its growth, a considerable quantity of diseased potatoes rot in the ground; in those districts, such as the seaboard of the south-west of Ireland, in which potato disease usually appears at the end of June, before the tubers of late varieties have grown to any considerable size, those tubers which are attacked by disease at any early stage of growth will have rotted away to a very large extent before the time of digging. In such instances the produce of sound potatoes might not exceed two tons per statute acre, and yet but few diseased tubers would be raised at the time of harvesting, the tubers having been attacked by disease at such an early stage that they rotted away before the usual period of harvesting, On the other hand, if a crop has not been affected by disease until the end of July or August, the number of partially diseased potatoes which would be found at the time of digging might be considerable, while the produce of sound potatoes might equal that of an average crop.

Galway, Tipperary, and King's Co. Demonstrations:—Particulars of the results obtained in twenty-five of the fifty-nine demonstrations conducted in those counties are given at pp. 24 and 25 of the Appendix. Of the twenty-five cases referred to, the increased yield of sound potatoes of the sprayed as compared with the unsprayed plots

whereas a decrease in yield resulted in one case.

The experiments and demonstrations excited out by this Department during the assessment 1930 confirm the experience spined by the experiments concluded in percent assessment of the experiment of the experiment

I have the honour to he, Siz.

Your obedient servant,

(Signed), J. H. FRANKS.

To the Under Secretary to the Lord Lieutenant, Dublin Castle.

APPENDIX

TO TH

REPORT OF EXPERIMENTS.

Experiment No. I.

COUNTY DOWN.

Name-Mr. William Taylor. Address-Greyabbey.

Quantity of Berdeaux Mixture applied yer statute acre, 100 gallous.

Whether foliage was sprayed from obere only; from Both from above and below, before only; or both from above and folias.

Whether foliage was a enyed from ofece only; from Principally from above, belos only; or both from above and below.

Date of digging plots, for the crop in the granul appearance of the crop in the trial plots at time of digging.

Taken indicating, with respect to such Reperimental Plot, the Ingredients used in addition to Water for the preparation of the Burders Mixture applied to the foliage of the plants; the variety of points govern; the persons in sound patients underside an amount plants and counting the same and and the increase of the angular plants of sound patients and amount plants and such as a superparation of the same variety of pottor, and the quantity of diseased pottors found as time of disglares.

Steader of Plat	linguelants sont.	Versity of Polisia	Profito	of Seema I	*cknlocs	Zacrosed ; on Spric with the on i	rield of Sour yell Flot or a yold of son Conpanyol y		Turened Positions
Sem			Market - uble	See II.	Total.	Market-	Femil.	Total	
			101	TOL	207	7 0.1	201	E.C.L	70.6
1	Untersted,	Magnum Bosum	9 14 32	210-0	12 4 50	-	-		9 4 30
2	Sulphaio of Coppes and Lener, .	do: .	32 8 66	8 3 98	31 11 18	2 14 39	-	2 7 10	-
5	Styrosopile	60, _	22 17 15	\$ 7.15	35 4 38	3 5 96	-	3 4 0	6 145
4	Harriegten's Towder.	do	31 4:32	1 18 64	13 2 36	100 0	-	9 28 66	0.299
- 3	Managhar's Paris,	do, .	12 14 30	1 15 80	33 10 0	200	-	1 5 80	0 145
1	Untrooted,	Champion.	T 191	1 5 89	8 8 84	-		-	400
2	Belphate of Copper and Luce, .	do, .	11 14 12	2 8 64	14 1 96	4 13 15	1 2 96	5 H 38	1 5 66

Experiment No. II.

COUNTY DOWN.

Name-Mr. William Girson, s.e. Address-Ballywalter.

Area of each plot, . . . One statute rook Date of first dressing, . . . lith July. Weather at time of first dressing, Dry and sunny. Quantity of Bordesox Mixture applied per stateds acre, 100 gallous.

Whether foliage was sprayed from above only; from Both from above and below. below only; or both from above and below.

Date of second dressing, 1st August. Wenther at time of second dressing, . . . Dry, but blowing Appearance of crop, Foliage very reak and overgrown; no disease

Quantity of Bordeaux Mixture applied per statute acre, 150 gallons. Whether folloge was sprayed from above only; from From above only. below only; or both from about and below.

Date of digging plots, General remarks.

2nd Orlone-1 . These potatoes were grown on risk land, where the provious year's coop had been turnips. In addition to tire, they were beavily manured with nitrate of sods and superphosphate; and at the time of the second dressing the folings was completely developed. To the foliage being so soft and rank is attributed the absence of satisfactory results.

Tame indicating, with respect to each Experimental Plot, the ingredients used in addition to water for the preparation of the Bordesux Mixture applied to the foliage of the plants; the variety of Potato grown; the produce in sound pointees classified as marketable and small; the increase (if any) in yield of sound potatons of each sprayed as compared with each unsprayed plot of the same variety of potato; and the

Stanley of Par	Engredages asset.	Veriety of	Produc	of Sound)	Potetoen	Inspected on Spray with the	Discoord Discoord		
Shan			Market- olde	Small	Total	Market- nide	Stanii.	Yeisk.	POLITOGE.
			161	T.C.L.	TOL	701	501	EC.L	T.C.L.
1	Untroded.	Champies,	71145	1116	11 196	-		Let	1.6.6
2	Nothing of Capper and Lines, .	da	711.63	610 0	15 1 48	-	0.10.64	9 85 64	11116
8	Resolution	do.	7 2 50	4 13 80	11 13 66	- 1	1 4 32	0 35 80	100
4	Hauringtinds Perries	do ,	3 5 80	6 10 0	E2 13 80	0 14 32	0 15 66	1 12 90	1 143
6	Hatzandon's Parks,	do,	116	3 11 48	11 11 95	0 20 0	-	0.10 0	0 12 96
-									
1	Uniceated,	Magrees Bogono	6 1 16	1 17 16	800	-	-	-	
a	Strawtotale,	do,	6 8 61	1 14 30	8 1 16	0 5 50		1.2%	-

Experiment No. III.

COUNTY DOWN.

Name-Mr. W. S. Young, a.r.	Address-Granshaw.	Kirozbłós

Weather at time of first dressing.

Weather at time of first dressing.

Fine and dry.

Quantity of Bordeaux Maxture appared per statute nore, 120 gallons.

Whether fellings was sprayed from above only, from Both from above and below.

below only, or both from above and below.

Date of second drawing, 31st July.

Whether foliage was sprayed from above only, from Both from above and belowising only, or both from above and below.

General securits, This field being so very uniform in quality was exceptionally ministic as a test field. The quayest portion remained grown for three weeks after the unreceived had withbread.

Takes indicating with respect to each Experimental Plot, the ingenitates used in addition to water for the proportion of the Dochamour Historic applied to the follings of the plants; the variety of Poston grows; the produce in sound postnoot calculation an analystate calculation and much ji the increase (if any) in juiled of count postnoot of each approach no compared with such managering last of the same variety of postno; and the quantity of diseased postnoot found at time of lighting.

Number of Effect.	Ingreduces used, Vir	Värnety of	Pyotso	Pyodics of Strend Totalnes.			on Spaced Flot in receptived with the Tried of same variety on Unapproved Flot			
New 13		Potata.	Morket-	Real	Total	Murket- asia:	Fearly.	Total.	Dynosod Faladoca	
			2. C. L	T C. L	T C L	202	7. C L	7. 0. 1-	2, 0, 5	
1	Unbested,	Magnum Forum	18 1 65	1 18 66	10 9 0	-	-	-	0.29	
2	Brighole of Copper and Xizze.	de,	20 0	100	17 0 0	2 13 64	-	200	-	
3	Stawroute,	60,	15 15 80	1 11 48	17 7 35	E 15 22	-	2 7 16	-	
4	Hamington's Fowder,	da	15 1 66	1 5 80	17 7 30	200		2.716	0.10	
5	Harmegion's Paste.	do	14 35 50	1 4 20	16 0 0	1 14 22	-	100	0.14	

Experiment No. IV.

COTINEY ANTERM

Name-Mr. John M'Clailand. Address-Brackenhill House, Ballydare,

Area of each plot, . One half mod (statute).

Date of first devertor. 19th July. Weather at time of first dressing, Wet, and exceptionally heavy rain fell immediately

offer. Appearance of crop, . . . Healthy; large foliage.

Quantity of Berdsaux Mixture applied per statute sere, 120 callons. Both from above and below

Whether foliage was sprayed from above only , from before only : or both from above and tolors

Date of second dressing, . 3rd August. Weather at time of second dressing, . Dristing rain.

Appearance of crop, Healthy, and well grown; no disease.

Quantity of Bordeaux Mirrore applied per statute acro, 120 gallons. Whether foliage was aprayed from above only; from Principally from above. below only; or both from above and below.

Date of digging plots, . 44h October.

General remarks, This was an instance of the good results of spraying even when the dressing took piace during

most unfavourable weather. The sprayed portion at the time of harvesting was much greener than the maprayed.

Taxas indicating, with respect to each Experimental Plot, the ingredients used in addition to water for the preparation of the Bordesex Mixture applied to the foliage of the plants; the variety of Potato grown; the reeduce in sound pointoes classified as marketable and small; the increase (if any) in vield of sound pointees of each appayed as compared with each uncounsed pict of the same variety of points; and the quantity of diseased potatoes found at time of digging :-

Number of Fox.	Ingroducts used.	Variety of points	Product	of Sound I	'etalats	On Repris on Repris with the	Discussed Potations		
	_		Market-	Small,	Total	Market- phie,	Fraul.	Total.	
			ECL.	201	T C L	T. O. L	T. C L	T. C. L.	7. 0. 1.
1	Unirented,	Champes,.	8 9 98	2 4 52	7 7 10	-	-	-	0 1 48
2	Striphete of Copper and Lette, .	da, .	8 12 96	2 5 50	10 13 (4	3 10 0	0 1 66	3 11 45	-
3	Berwenste	do	5 H 66	1 14 32	10 22 06	2 13 83	-	3 5 10	0 1 43
4.	Barrection's Powder,	do	5 14 52	2 4 30	30 15 64	3 11 65	-	3 11 48	-
	Harrington's Paris,	60, .	300	1 15 20	9 14 32	2 27 10	-	2 7 16	

Experiment No. V.

COUNTY ANTRIM.

Name-Ms. Rouser Arcesson. Address-Dumrel, Broughshans.

Area of each plot, One statute rood,

Whether foliage was sprayed from above only; from Both from above and below.

below only: or both from above and below.

Weather at time of second dressing. Dump and abovery.

Quantity of Bordeaux Mixture applied per statute now, 139 gals.

Whather fallings was sprayed from above only; from Both from above and below.

below only; or both from above and below,

The largest yield was obtained on a plot of "Satton's Abundance."

Table industing, with respect to early Represented Pict, the togetheries used in addition to water for the preparation of the Berchunz Mixture applied to the follows of the plants, the variety of Postologowa: the profiles in some dynatice conducted annually activated and small, the increase of tempt of some postone of each operated as econogered with each unsproped plot of the same variety of posto; and be quantify of diseased postone found at time of districts.

	Ingrelients used.	Variety of Potests.	Profess	ed Sound I	*rekations	Increased to a second with the second	Distance		
The same of the			Market-	Seed.	Total	Market- skie.	Roult	Total	Polision
			16.5	6.0.6	ne a	7 6.1	1.0.1	7 C.L.	TEL
1	Unirented,	Choppins, .	8 2 96	2 8 66	10 11 18	-			0.71
ı	Sulphate of Copper and Lose	Do.	10 22 90	8 12 36	35 10 0	230 0	0.344	2 15 66	-
3	Services,	Do	11 13 66	1 18 66	18 17 16	3 14 10	-	8 3 80	_
5	Soungton Perring	Do .	10 17 35	2 5 06	13 5 20	2 14 10	-	7 36 22	-
1		Armine.	20 6 00	0 # 80	30 11 st	_	-	-	0.73
ı	Zherregistis Fowder,	Do	35 2 96	0 12 45	15 14 35	4 IT 16	1 5 10	5.210	9.16

Experiment No. VI.

COUNTY ANTRIM

Name-Mr. J. S. ALEXANDER. Address-The Castle, Perilegrova.

Area of each plot, . One-half statute rood.

Date of first drawing, 15th July. Weather at time of first dressing, Dry.

Appearance of eron. . Healthy; large foliage.

Quantity of Bordesux Mixture applied per statute acre, 140 gallous.

Whether foliage was sprayed from above only; from Both from above and kelow. below only; or both from above and below.

Date of second dressing.

. 16th August. Weather at time of account dressing. Dry and fine.

. Well-grown ; slight indications of disease

Quantity of Bordoux Mixture applied per statute sees. 146 gallons. Whether foliage was sprayed from above only; from From above only.

below only; or both from obors and below.

Date of digging plots,

General Remades, . This field, which is very hilly, is situated near a plantation run over with rabbits and game.

Tame indicating, with respect to each Experimental Plot, the ingradients used in addition to water for the preparation of the Bordeaux Mixture applied to the foliage of the plants; the rariety of polate grown; the produce in sound potutoes classified as marketable and small; the increase (if any) in yield of sound pointous of each sprayed as compared with each unsprayed plot of the same variety of points, and the quantity of diseased potatoes found at time of director.

Number of 7504.	Zaprofizata used,	Variety of	Produc	ed Sound.	Potntoes.	Discretion of the control of Hyperical Widels Widel	Description		
Name			Market-	Small.	Detail.	May leat- ship,	Small	Total,	Potasses.
3 4 6	Universited, Sofiphents of Copper and Lenc., Strauwanne. Historication Touches, Illumington's Peets.	Christyson, do, do, do, do, do,	T. C. L. 7 1 88 19 5 10 3 5 80 10 4 12 9 11 10	7.0 L 1 M E2 2 A 60 2 E2 56 2 4 4	7 0 5 8 13 80 13 13 43 18 13 60 22 4 22	1 6 12 1 6 22 3 2 98	0 to 1, 0 to 12 0 to 66 0 d 50	3 10 H 2 105 3 144	2. C. la 0 7 16 0 4 32 0 2 95 0 1 48
1 2	Universal,		T 15 15	0 18 08	8 15 50 12 2 96	- 1 ts to	61148	2 15 04 - 2 1 14	0 5 80

Experiment No. VII.

COUNTY ANTRIM.

Name-Ma. Joan Boro. · Address-Terrygowan, Randalstown.

Asso of each plot, One statute rood.

Date of first dressing, 23rd July.

Weather at time of first dressing, Fine and dry.

Weather at time of second dressing, . . . Wet.

Appearance of crop, Slight indications of discour.

Quantity of Bordonax Mixture applied per statute acre, 120 gallons.

Whether foliage was aprayed from above only; from Both from above and below.

below only; or both from above and below.

the quantity of discused potatoes found at time of digging.

General Berowks, . . On the date of digging the sprayed parties supposed only a filled greener than the suppryed; this was probably due to the ways wet weather at the time of the second spraying.

Taura indicating, with respect to each Experimental Flot, the ingredients used in addition to water for the preparation of the Recitance Mixture applied to the follows of the plants, the variety of potate grown; the produce in sound potatoes classified an unriversible and small; the increase (if any) in yield of sound potatoes of each purpoid to compared with each superpoyed plot of the same variety of potate; and

Wrahu of You	Trips of brank used	Vignoty of	Produce	of Reach	Petitioes.	Increased at Speci with the	Diseased.		
Nexols			Market- able.	Smill.	Total	Market-	Fragil.	Total	24334
			17.615	ter	T 6. E	20.00	4 6.1	2.0.5	6.01
1	Unterstol,	Obserption,	5 16 65	\$ 10.80	8 14 39	-	-	-	1356
9	Sulphate of Crypes and Lame,	00, .	7 10 4	0 14 32	11 6 30	1 11 48	0 16 64	2 20 0	0 5 88
3	Strawweek	do, .	T 2 18	3 14 32	11 1 15	1 1 64	0 15 06	9 7 16	0111
4	Hantagion's Powder,	60	0 4 22		12 4 32	2 5 50	1 4 22	212 0	0 632
0	Harrington's Pasto,	de, .	2 0 0	8 7 16	10 7 15	1 143	0 13 45	1 18 98	0 2 85
1	Uniresion,	Bruss, .	9 1 64	1 17 38	11 5 89	-	_	-	0.16
9	Sulphate of Coppes and Large, .	60, .	10 1 65	1 1 65	10 1 96	0 12 96	0 132	0 17 35	-
									-

Experiment No. VIII.

COUNTY ANTRIM. .

Name-Mr. James Kessbar, Jr. Address-Baller, Ballymon.

Weather at time of first dressing, Dry and fine.

Appearance of crop. Good and healthy.

Quantity of Bordeaux Mixture applied per statute area, 120 gallson.

Whether foliage was spanyed from above only; from Both from above and below. below only; or both from above and below.

Quantity of Bordeaux Mixture applied per statute acro, 120 gallons.

Whether foliage was suraved from above only; from From above only.

Whither foliage was oprayed from above only; from From above or holow only; or both from above and holose.

remarks, The foliage of Feb No. 3 turned and overgrown and marks, in the other plots, which may be not probably month than in the other plots, which probably month than small furnames here obtained from Strawments, so demanded with that obtained from the other densings.

Faunz indicating, with respect to such Experimental Pas, the ingredients road in admitten to water for the proposalized of the Declarati Mitters explain to the foliage of the plants; the variety of Positos grows as the produce in sound printens chemical as marketistic and small; the increase off roady in yield or sound position of only surprise to compared with and imaginary of join of the man variety of positio; and the quantity of discussed positions from a time of signing.

er of Dat.	Ingredicate Used	Vanisty et	Produc	e of Sound)	Prisipes.	Taxonsed on Spring with title on	Dynased		
Ž.		Market- shin	Densil.	Total.	Market- ship.	SEAT	Stell	Potetoo	
1		Chargeson, .	7 C. L. 5 12 86	2. C. L. 2. 5 50	7,0 L	7. 0, L. 	E, C. E	7.0.1	T. O. 1 9 35 SC
	Subplicity of Copper and Teste,	60, .	9 5 50	200	11 5 50	31210	-	0.735	
3	Strawausid,	do, .	7 7 15	2 2 94	0.10 0	11410		1 11 48	0 4 50
4	Entringion's Powder,	da, .	9 19 0	2 4 4	11 10 0	2 17 35	-	311 46	9 4 82

Experiment No. IX.

COUNTY ANTRIM.

.

Name—Mr. Jame Mossrow, Address—British, Crookedstone.

Area of each plot, One statute rood.

Quantity of Bordeaux Mixture applied per statute acre, '80 gallion.

Whether foliage was sprayed from above only; from: Both from above and below,
below only; or both from above and below.

belose only; or both from shore and below.

Date of second dressing.

Weather at time of second dressing.

Fine and dry.

Tamas infinisting, with respect to each Experimental Pick, the ingredients used in addition to water for the proposation of the Bendauan Ministra applied to the follow; the variety of Postate green; the produce in sound postates clearified as machinable and small; the increase (if any) in yield of touch postates of each prepared as compared with each surproposition of the same variety of postate; and the quantity of discosed postates due to the increase in the quantity of discosed postates due to the increase in the proposition of the same variety of postate; and

Studen of Flot.	Ingrediecks used	Variety of Totals	Tradace	of Sound I		Increased your factor of the contract of the c	Dimused Principles		
Nanch			Market- sbin.	Small.	Total	Market- able.	Small	Total	2000000
			7.C.L	T. C. I.	T.O.L.	7.0.1	7. C.X	TOL	T 0.1
1	Untrovied.	Champion, .	4 7 39	2 0 0	T 715	-	-	-	0 16 20
	Sulphate of Copperant Lime, ;	40, -	4 7 35	3 4 32	T 13 45	-	0 4 32	9 4 32	0.216
1	Steamografic,	da	6 4 22	1 2 96	8 7 16	0 12 16	0 100	100	4 1 25
1	Composited,	Magnum Bonor,	6 5 CL	1 190	\$ 11.48	-		-	0 1 68
2	Recognition's Powder,	60, .	8 29 0	2 7 35	19 17 35	0.14	0 4 52	2 5 80	-
3	Marricylog's Poets,	do., .	700	1 15 10	S 15 80	0 11 48		0 4 32	-
1	Uniterested.	Skernet, .	3 4 33	9 15 00			_	da :	
2	Harrington's Paste.	40, .	6 6 12	2 4 0	8 4 32		-	1 4 22	-

Experiment No. X.

COUNTY ANTRIM.

Address-Niblock, Antrim.

Area of each plot, .					1	,	One statute rood.
Date of first dressing,							
Weather ut time of first	fressi	ng,					Fine and day,
Арреалилое of crop, .							Beckward, but very healthy.
Quantity of Bordeaux Mi	xture	iqqa e	lož po	or sted	lute s	are;	100 gallons.
Whether foliage was ap below only, or both free	nyed a obc	from	ates d belo	pe ani	ly, ń	om	Both from above and below.
Date of second dressing,							14th August,
Weather at time of secon	d dre	sting,				- 1	Fine; some showers the following day.

Very luxurisqt; no disease. . Appearance of crop, Quantity of Bordesux Mixture applied per statute sore. 120 gallons.

Whother foliage was srewed from above only, from From above only. below only, or both from above and below.

Name-Mr. Jours Youne.

Date of digging plots, 11th October:

Georgi remarks. The field on which these experiments were held was an old meadow, low-lying, sheltered, and very rich. The potatoes were late in being planted, and owing to dry weather made a bad start; when rain came, bowever, they grew very rapidly. At

or stalk to be seen on the unsprayed portion of the field, while the surroved purkions were still quite green.

Table indicating, with respect to each Experimental Plot, the ingredients used in addition to water for the preparation of the Bordeaux Mixture applied to the foliage of the plants; the variety of Potato grown; the resolves in sound notators obsolded as marketable and small; the increase (if any) in yield of sound potatoes of each sprayed as compared with each unsprayed plot of the same variety of potato; and the quantity of discused potators found at time of digging.

Standard of Plot,	Improduction seed.	Vertely of	Produce	of Sweed I	otazoes.	Increased on Sport with the	nd Potatoes ompayed Post.	Diseased	
			Market-	Small	Total.	Market-	Smell -	Total.	
			1. O. L.	T. G. L.	T.C.L.	TEL	E.C.L.	1.0,1.	201
1	Datement,	Champion, .	8 7 35	1 5 10	0 12 95		- 1	-	9 19 64
2	Sulphase of Copper and Luxe, .	Do	439 0	2 12 95	0 2 96	3 2 90	0.735	2 10 9	9 4 20
5	Straweoute,	Do	6 TT 16	1 1 10	200	2 30 0	-	5 7 15	0 0 50
4	Eluzington's Powder,	Do	4 2 80	2 15 50	E 15 CA	2 15 80	0 10 0	3 5 50	0 3 64
6	Hierocket's Zurio,	Do, .	700	2 33 0	1 20 0	2 12 06	0 4 33	3 17 16	9 0 80

Experiment No. XI.

COUNTY ANTRIM.

Namo-Mr. Jone Magaw, J.r.	 Address-Ballyholand,	Ballymouny

One statute rood. ' Area of each plot, . Date of first dressing, 18th July Day fine and dry; heavy rain at night.

Weather at time of first dressing, Appearance of crop. Healthy. Quantity of Bordesux Mixture applied per statute acre, 120 gallons

Whether foliage was sprayed from above only; from Both from above and below. below only; or both from above and below.

Date of second dressing, . . . Weather at time of second drowing, ,

Quantity of Bordesox Mixture applied per statute acre, 199 gallons.

Whether foliage was aprayed from above only; from Both from above and below. below only; or both from above and below.

Date of digging plots, General remarks, .

9th Angust.

. Hoavy showers all day. . 12th October.

It is believed that the results would have been even more satisfactory but for the wet weather at the time of the second dressing. ,

Tanza indicating, with respect to each Experimental Plot, the ingredients used in addition to water for the preparation of the Bordonex Mixture applied to the foliage of the plants; the variety of Potato errors: the produce in sound potators classified as marketable and small; the increase (if any) in yield of sound potatous of each sprayed an compared with each unsprayed plot of the same variety of potato; and the quantity of diseased pointees found at time of digging.

Stober of 1556.	Xegrobusts used.	Variety of	Produc	e of Sound Petrice		Lywid of Swand Poinson typed 1808 in compared a yield of same variety i Chirpmyud Mat.	
Sea			Market- uble	Roull Tel	lel Mokvi	Small Total	1
			T. C. L.	E.O. L 2.0	L FOL	TO L TOL	7. O L
1	Unterested,	Magretan Sonorm	33 SG 0	0 38 84 11 1	3 64 -		0.146
. 2	Sulphate of Copper and Lane, .	40	33 0 0	0 10 0 13 1	0 0 239 0	- 2 145	
	Bleswoodis, ,	60, .	22 17 16	0 27 16 13 8	1 32 2 7 16	- 8 5 50	-
	Harrington's Powder,	60	14 10 0	0 10 0 35 1	0 6 4 0 0	- 1116	_
8	Barrikrion's Prate,	60	14 0 0	0 17 18 14 15	7 15 3 10 4	- 3811	0 2 26
1	Untracted,	Cheespion, .	5 5 54	2 1 61 10 11			9 11 48
	Sulphate of Coppes and Lerge	do., .	13 4 22	1 34 20 13 13	1 15 80	- 1 166	0 148

Experiment No. XII.

COUNTY ANTRIM.

Name-Mr. James M'Cause. Address-Streen, Darvock.

trea of each plot,								One statute reed
oate of first dressing,								17th July.
Veather at time of fi	nst d	ressin	E-					Fine and day.
appearance of crop,								Good and healthy.
usutity of Bordeaux	Mi	ature	appli	ed per	r stat	ete ser	,	120 gallons.
Whether foliage was	apo	nyed.	fron	abor	e on	der fea	co.	Both from above and b

Weather at time of second drassing, . . . Fine and dry.

Appearance of crop, Vory brothly; no disease.

Quantity of Bordoux Mixture applied per statute acre, 139 gallons. Whother feliage was aprayed from above only; from Both from above and below.

below only; or both from above and below.

General remarks, . . . The sprayed plots retained their green appearance.
Sor three or four weeks longer than the unsprayed.

Tamar indensing, with respect to coal: Experimental Piot, the ingredients used in addition to water for the perspectation of the Rendezer Mittern spilled to the foliage of the plants; the visits of Posting coars; this produce in cound potatoon classified as marketable and noull; the morease (of only in probl of cound potatoos of each approph on companied with each manyeryed point of the mane variety of potato; and the quantity of diseased potators found at time of digiting.

ONT OF 2702.	Ingreducts used.	Variety of	Produce	of Second 3	'etsions.	tarread y ea speed with the	Decease Possion		
Markon		2000	Market. able	Send.	Total	Market- skin	Scual.	Yout.	
			E C.L.	1.0 5	2.0,5.	201	T. C. L.	T C. L.	T. C' L.
1	Cotresion,	Magnen Tours	11 2 95	1 6 9	22 2 96		-		0 1 43
2	Sulphate of Capper and Lizze, .	do,	16 5 80	100	36 5 93	4 5 96	-	4 2 10	-
3	Steweroods,	da	14 12 96	0 17 16	15 10 0	0 10 0	-	3 7 16	
	Europyten's Foreder,	do	16 33 64	100	10 10 66	3 13 80		2 15 50	
5	Homeston's Paste,	60,	13 12 90	1 5 10	14 35 61	2 10 0	0 5 33	2 50 50	-

Experiment No. XIII.

COUNTY ANTRIM.

A MIDG-	00	J. E.	a ni	ENDES	190X.		Admess—Bally venirs, Paragate.
Area of each plot,							One and a half statute roods.
Date of first dressing,				,			20th July.

Whather fellings was sprayed from above only; from Both from above and below as far as possible, below only; or both from above and below.

Quantity of Burdasux Mixinra applied par electric sorre, Satton's, 110 gallions; Champion, 150 gallions, Whether folkings was aponyed from afters only; from Principally from above, feiter only; to both from above and solons.

Date of digging plots 9th October.

Once a signing poor yet the totage being very large and so much spread across the drills it was very difficult to get the plate in this case properly repractly.

Taxes indicating, with respect to each Experimental Pist, the ingredients used in addition to water for the preparation of the Brelensta Minima applied so the foliage of the plants; the warriery of Potate grown is the problem in sound potatose of entitled as neutronic and usual; the increase (if any) is given if some plantsees of each proposal as compared with ooth unsprayed plot of the same variety of potato; and the quantity of diseased pastors of each ground at time of disguise.

Sunher of 1594,	Tagneductric mod.	spoty of	Produce	of found l	obsises.	Lacrened y on ligang with the on l	richt at Born ind Pfat ave yeald of man Unsprayed	nempserd.	Discussed Tokston
MIN			Markot- side.	Sest	Welst.	Market- able.	Small.	Total	
1 2		angena.	ECL M 716 H 2266	0.0.L 2 0 0 1 H M	2. c. t 13 7 16 16 11 65	T. C. L.	7. C. I. 	7 0 L	7. C. S. 0 2 M
1		Hege trackets	30 4 0 II 7 36	0 17 15	20 UT 15 13 T 15	- 1 Y16	1 1 10	139 0	0 13 64

Experiment No. XIV.

COUNTY DOWN

Name-General Nugers, Address-Portaforry

Area of each plots, Three ablaints reads,
Date of first dressing, 6th July,
Weather sit time of first dressing, Very sterror with heavy showers
Appearance of ecop. Good and healthy.

Quantity of Breiesux Mixture applied per statute zero, 110 gallons.

Whether foliage was sprayed from above only, from Both from above and below.

below only; or both from above and below,

Appearance of crop, Growth of foliage where aprayed not so inxariant as on the unspeayed pertion; no disease.

Quantity of Bordsonx Mixture applied per statute sore. 110 gaines.

Whesher foliage was sprayed from above only; from Both from above and below, below only; or both from above and below,

Date of digging plots, 1st October

General remarks.

need remarks, . . . The speayed plots retained their green appearance for three weeks longer than the unsprayed.

Taxax influenting, with respect to soft Reprintmental Part, the inguisitient used in delitties to water for the proposation of the Receivant Mixture applied to the foliage of the plunts; the artisty of Rection grows the protoco in normal postesso classified as anxietable and small; the increase (if any) in yold of council postess of each approxim compare with soft taxageness place of the same variety of postes; and the quantity of discood postesso found at time of aligning.

r of East	Engradients used.	Variety of Prints	Produce	of Sound S	otatom,	an Spend	preid of Sour ed Physics o old of street repenyed Ph	od Petatora occurred variety on of	Descared
Name of	-		Market- able.	Smill.	700)	Market- slip.	Small	Det	
			7. C. L.	F. C. L.	z.c.L	F. O. L.	202	2.0.2	z.c. L
1	Unfreshed	Draces, .	12 15 80	4 H 16	16 22 96	-	-	- 1	9 5 50
t	Sulphate of Copper and Lene, .	60, .	15 5 54	0 17 16	17 6 50	2 12 96	- 1	110 96	9 2 30

DOWN AND ANTRIM EXPERIMENTS.

	1		1		1	I				1			I		I
Sum of Occasion of Roblins	Produc	Produce of Datrested The	475ct	Profess of P	Profittes of Bott treated with Balphais of Copper and Leno.	Ob. Belyhale No.	Debes	Pedico of Pot Sessiol with Serventino	el weh	Professo	Professo of 7504 lecaind with	od with der.	Treatment	Profess of Pick Injects with Harmagistry Docks	d'with 0
	Materialia	Bresil	Disting	Michelalo	Smil	Denned	22ndarishts	Seall	Datestell	Markelolde	Small	Diseased	Marteelahle	Small.	Doctord
Wilden Daylon,	1 E	F = 0	1 0 1 0	101	2 0 0	200	3 1 0 1	. 1 . 1	4 1	3 5 1 8	# # 1	01	4 0 °	01	01
WILLIAM OTBOOK	1 11 8	3 11 63	8 * *	1 18	6 11 9	8 22 0	8 "	8 25 20	:	0 0 0	8 4	1 1 8	1 1 0	5 11 65	8
OEN SPERIEZANDA .	8 2 8	2 4 22	0 1 43	8 22		Ness	\$ 18 05	22 22	*	2 2	2	Жэва		1 12 23	None
Dobert Alchiott,	2	2 8 62	0.7.3	22 22 22	2 11 15	None	11 15 65	1 25 E	None	8 8	8	Non	١	١	1
I S ALEXANDERS .	1 1 10	1 11 22	0 7 35	10 5 80	2 . 2	H * 0	2 5 2	8 8	9 2 8	8 4 8		0 1 48	0 15 80	1 13 64	8 0
OHN BOTEL	2 2 2	2 25 80	1 13 64	1 10 0	3 15 20	8 0 0	11 11	20 H 2	0 80	8 4 22		0 4 88		8 7 35	2 2
Same Kamour, part,	8 11 8	9 0	0 33 00	8 9 0	0 0	Naso	1 1 33	8 8		0 01 0		0 4 22	١	1	1
Specs Mensels,	4 7 16	0 0	0 11 13	2 2	2 0	8 8	0 4 20	8 10	2 2 38	1	1	1	1	1	٦
rome Youngs	3 7 15	2 0 8	9 11 6	8 0	3 11 8	2 7 0	2 11 0	*	2 .	2 2	2	9 0 0	4 0 0	1 10 0	*
John McDev	0 0		9 11 0	10 432	1 11 20	0 1 13	1	٦	١	1	١	1	:	1	9
P. S. Henkonn,	11 2 11	0 0 0		11 12 96	2 2 2	None	1	1	1	,1	1	١	1	1	1
						MAGNUS	MAGNUM BONUM.	-							
WILLIAM PAYDOL	10 11 0	2 39 0	1 0	8 0	8	Non	12 17 16	2 7 2	8 1 0	22 7 11	1 36 50	0 2 16	11 18 20	1 18 20	0 1 45
Silban Grinna,	8 8	1 17 15	Name.	1	٦	1	2 2 52	11	Neas.	١	1	1	1	1	٦
W. S. TOUDDLE	1 1 65	8 77 1	8 8	:	0 0 1	MON.	38 SE 58	3 11 12	Ness.	16 1 48	0 0 1	0 1 8	16 15 30	1 4	
Spirot Marrison,	3 3 64	2	0 1 55	1	١	3	١	١	1	8 10 0	2 1 30	Noon.		1 18	None.
SOME MINORW,	9 99 99	9 22 65	0 1 0	0 0	0 11 0	None	22 TI 25	7 77 *	Nesso	14 10 0	9 9	None	0 0 %	0.00	8
A AMERICAN SERVICE AND A SERVICE AS A SERVIC	11 3 00		0 1 6	15 5 10		X	24 44 74		15 mm	35 35 65			20 11 11		-

D

Taxon indicating particulars of Results obtained on cartain Plots on Farms in the Districts adjacent to

000	CPURS OF HOLDING	Date of	Dade of Dypotes Figure	Vurlety of Prisons	57	Tield and Pe	per Si tologi	i etc	te à ten	prod 2	Plots	
Name.	Address	Sprayant.	Pion	Sprayor.	Mark	clubis.	8	cuid	L	т	otac	
		1996	1866	-	2.		2	c.		E	G,	1
attivity,	Benights	9th July,	189.044	Сънкріззи,	13 1	E 64	ı	13	0		8	
~ 1	Kilimann Strr Topperary,	100, 2127,	ign on.	Champutes.	,				os.	8	8	
Sunghey Esper		18th 710r.		Chamous			1			,		
Palerick Eclision, . D. Flattery, .	Graphus, Rev Topperary, Bapenelle, Err	105 July, 11th July, 1 9th Aug. 1	IRA On ,	Charageras,		2 50		11			T	
T Burner,	Decrinatio, Sure,	13th Paly,	IRth Och,	Champuras,	t	0 0	1	13	9	7	33	6
Deletons	Chemana, Der, Tipperary,	ship July,	200k Ost./	Champions	4.1	u 64	1	15	10	20	26	22
lev. A. Nichalle,	Seascher, Kinge,	19th Fully,	IRb Out,	Стиперопи,	9.1		-2	и	83	и	4	53
. Mr Cormack,	Clossomy, Clingtons, . Every,	19th July,	Mich.Oct.	Озвасреван,	8.3	1 45	1	0	0	9	11	e
lohu (Ballagher,	Ciunicolea, Bounghez, . Kings,	90th July,	22s1 Oct,	Соментноем,	5	5 65	1	2	95	9	4	8
Michael Karkin,	Reker, Banagher, Galway,	Sted July.	9b 04,	Champions,	1	E 84	2	0	0	23	8	6
Puletak Keya,	Seker, Sugargher, Galway,	25of July,	Mis Oct.,	Champeon,	7.1	1 48	1	š	83	8	27	3
iomes King,	Lacks, Nice, Topperary,	2015 2407,	21st Oak,	Пактория,	10 1	3 96	1	7	16	12	0	
Section Finance,	Circles, East, Bunagher, Galway,	Bet July,	Disk Oct,	Champion,	11 1	11 68	1	10	0	13	1	4
William Geinau,	Strandown, Clophan, Emp's,	Sta Ave,	MIR OH.	Champiosa,	n	6 32	1	2	90	12	1	
Suggest Debens.	Gorban Hill, Glorhan Eter's.	Eth Ann.	180 Oct.	Championa		8 04		13	21	19	7	,
Borse,	Irmedoos, Glophau King's,	7th Asy.	1985 Oct.,	Санаприя	ε	7 16	0	14	32	12	1	
Sames Troy,	Lucrasch, Sunaglast, . King's,	Min Avg	180h Get ,	Самарыны		11 66		36	80	6	8	4
W. WIDDEN	The Trice Gorbally, Businesse, Europe	1903 Apr.	100 Oct.	Christyrona	,	8 66	1	11	43		0	
Michael Sexts	Freetoods, Bonaghaz, , Krag's,	18th Aug.	Blad Oct.	Cherpona	12	T 18	1	11	43	13	16	•
John Hussian,	Erretouri, Bennghez, . Galway,	SSM AVE.	ING On .	Charpoon	2	12 56	1		66	11	1	,
Rehard Bowerd,	Websit, Myranousi, . Galway,	Wh Aur.	17th Oct.,	Ознасрвите	8	7 15	1	7	15	9	24	
Charles Finney, Thomas DeoughA	Reshate, Spreauri, . Galuxy, Whylocough Frenching, Ring, King's	White Water				15 64 7 56		15		30	14 5	
Mittheel Berke,	Oslran, Seenghor, King's,	20th Ang.	MED Oct.	Champions	e	17 16	1	0		7	п	
Michael Bulle,	Derrin Lough, Surr Elay's,	Bet Aug.	Mah Out.	Changeon		12 26		,	94	,	15	

25

Banagher on which Demonstrations in the application of Bordeson Mixture to the Potato Figure for the Mr. J. H. M. Convent. Ametrant Conventioners and Mr. J. F. Annue.

	3	944.E	er 55 ice 55	otal O	tapen;	o of 8 red 9	lota	d	20	097) 097)	00 80 00 80 00 pag	Tuid tood to to be	25	Sta Inco I Cop	engro	Ace (P)	Of ed da	Recourse at time of digree
24	ub	subje	T	8os	aT.	1	Tel	a.	×	cket	ishler,		033	1	Т	791	à	
1		1	Ι.	r. 0	0 1,	1 2		L	T	. 0	L	т,	c		1 2	. 0	L	
ľ		1 65				13					1		-				15	Polings grack greening on the sussected than on the au- spectful shell. Practically no discussed publishes a the opening fact, whereas there were twenty-on the frem are prech on the congray of plat.
		30			5 56 1 45	0		22				(E)	-	430	1		63	No approphible fathernes in the appearance of the plo or in the quality of the produce.
		62	ï	. 1		1					. 50		-		5		205	Polings very group on the approprial plot and complete will have a vibe the approprial plot. The polation will greening said the standard due to encourage will be trained to the contract which it has determined by the contract gradient of these weeks if you does not informed. This in the saily plot tight we passed on two disasters does not as
1		1 22		. :	1 (8		1	50	1	15	83	0	8	14	1	-	50	No definence in the appearance of the plate. Take much seemler on springed plat.
4					5 64	1			2	15	25	(De	ore	200)	2	13	65	Very hitle diffrance in the quality of the produc- cion distance position on the companyed than a the sprayed plot.
					3 35		11		0		80			54	1		32	Quality of the tenure much the same on both plots, he makey mass diseased presides from the thapsage pass.
		100			7 16	6	11	0	9		er.	0		90	3		45	Very few decored tobers as sales play. Heavy to fell for many house on the reght following the da on which this plot was spenyed:
									3	1	63		2	96	3		22	A considerable quantity of damaged potatoes on the managed plots, very few on the received
			1			7		0	3		44		-		3	8	C6	Lettle difference in the quality of the produce on with place.
8		55		11		9	8	64	:	11	95 45	Œ	ceò	199)	9	11	95 68	Many more distanced postories on the unspected the of the sprayed pile. Mask seen fell immediate Mark seen fell immediate Marks specyring. So manyed pile seed quality or on the stateward. Constry of produce masks at some on both piles better that suffered piles too from anyeless piles.
7		32	1		1 22	8		64.	4	7	15	0	5	80	4	10	90	ton trem improved pick. Palitime on the memory delivery green; that on the service outpetchely without Gunity of postani on more competchely without Gunity of postani on more competchely without Gunity of the provided of the competchely with the wind of the competchely of the competchely with the competchely of the competchely outpetchely outpetchely outpetchely on the competchely of the c
7		10	3				7	15	3	28	61	۰	1	48	6	۰		The bealine or the sprayed plot orate groun, these of the unspected decayed. Quality of persons overgrap of much unspected to their on unsubjusted plan as decrease in the former, but a considerable afficus on the latter.
6		50		19	66	7	4	22	5	2	20		-		3	8	95	Februar of sprayed plot stall green, wherear that of an aperged had writtered.
2	15	ne	1				22	-	1	14	32	(De	brod	no)	1	6		Very few deerstel pointeers either plot. The take, on the agrouped plot was made decouper, and no manual press stack honors them that on the as- sumpref plot. The pointees were spenyed on a var- wed day.
6	6	64	1	2			11	65	0	4	22	CDes	ees	At 2	(De	œco	H)	Points much precess on the sprayed than as the steeraged plot. Very wet weather immediated after spraying.
0	14	92 60		14		7	3	01	1 5	16	22	(Des			1	11	55	Quality of the produce words the same on both fields
						ľ	•		٥			CDes	919	#e.J		15	Gi.	The tabers were still swowing on the spenyed plot, he gained had nessed on the naspatyed pass. The gainty of the taber breas the report plot was made settle, 660 showed loss damased possible the from the naspaty size.
£		16	2		94		33	0	2	5	50	0	5	83	3	11	63	Palence on agraphic plot purceptably greener than the on the uniproped plot.
7	3	Oi O	1	5	50		36			18		0	1	65	1	0	0	No difference is the appearance of other plot, a our satisfaction of actions of other plot, and produce of each felt Constitution of the produce of each felt a superinty of its aperints the dates here, it been very reak and takeful across the fails.
5 T	1	35		35			1.0	8 8	3	18	81		-	95		10	12	
ĺ	12			14	ĺ													No difference perceptable in the februe of the plats. Many many discreted potatoes in the uniquery of pale, the produce of what was made touriery than, and indicate in quality to, that of the spunged part.
		1				4		16	1	6	22	0	5	50	1	10	0	No distinction is appearance between specyol and an grouped, plots. Fredme of apraced clots must better in quality than that of the uniformed plot and continued formed diseased potations.
7	15	OS .	1		45	9	0	٥		-		٠	1	43		-		So (Allerton in appearance of the leve plant. Produce of sparyed pole ments before in quality than produce of sparyed; otherwise little followers absentially. Conferenced; some pays bench that way justy the plant and agreeded some raised, esting the follows the results obtained by weathing the produce were than realized obtained in the produce were than realized or their production.

BUBLIS. Franced for Har Mayorly's Statemeny Office, By ALEX. THOM & Ob. Chiraloft, 17, 51, & 12, Albey-Street, The Observa Previous Office.